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PAR 211

Suppl. No. 1

MICRODENSITOMETER STUDY OF EFFECTS OF PROCESSING Suppl. No. 1, Addition of Medium Contrast Resolving Power As An Image Quality Measurement

17 December 1964

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SUBJECT: Microdensitometric Study of Effects of Processing

TASK/PROBLEM

1. Collect and study microdensitometric data from mission materials in an attempt to determine the effect of film emulsions, processing and printing on the characteristics of image edges. Also, attempt to determine true location of image edges for mensuration purposes.

2. Supplement No. 1, Addition of Medium Contrast Resolving Power As An Image Quality Measurement.

PROPOSAL

3. The medium contrast resolving power of the following films having the listed processings will be measured:

	Film	Processing
a.	4400	Trenton, three conditions and special PAR 211 developers.
b.	4401	Trenton, three conditions and special PAR 211 developers.
c.	4404	Trenton, three conditions and special PAR 211 developers.

4. The testing will consist of exposure of the films in a resolving power camera to test objects having a nominal contrast of 6.3:1 (density difference of 0.8 ± 0.05). The conditions of testing will be in accordance with the pertinent sections of the American Standard Method for Determining the Resolving Power of Photographic Materials, July 1963 (Proposed).

5. The medium contrast resolving power of the three films will be reported in addition to the actuance, granularity, modulation transfer response, and low contrast resolving power of these materials.

$CHEDULE

6. Testing will be completed within six months of the acceptance of this proposal.